

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
REQUEST FOR FILING NATIONAL PATENT APPLICATION  
Under 35 USC 111(a) and Rule 53(b)

11000 U.S. PTO



03/29/01

Hon. Commissioner of Patents  
Washington, D.C. 20231

WITH SIGNED DECLARATION

PATENT APPLICATION



00909

11000 U.S. PTO

09/01/98



NONPROVISIONAL  
NON REISSUE  
NON PCT NAT PHASE

Sir:

Herewith is the PATENT APPLICATION of  
Inventor(s): KAKIHARA, MASAKI et al

Title CHARGING DEVICE

Atty. Dkt.: P 279165 TYF-9951  
M# Client Ref

including:

Date: March 28, 2001

1. Specification: 314 pages (only spec. and claims) 2. ☐ Specification in non-English language  
3. Declaration ☒ Original ☐ Facsimile/Copy ☒ Abstract 1 page(s); 32 numbered claims  
4. ☒ Drawings: 87 sheet(s) ☐ informal; ☒ formal of size: ☒ A4 ☐ 11"  
5. ☐ See top first page re prior Provisional, National or International application(s). ("X" box only if info is there and do not complete item 6 or 7). (Prior M# SN )  
6. This application claims benefit of the following prior US application(s), the contents of which are incorporated into this application by this reference:

No. / filed  
No. / filed  
No. / filed

7. ☐ See the attached Preliminary Amendment, which amends the specification to claim benefit of the above listed US applications

8. ☒ Attached is an assignment and cover sheet. Please return the recorded assignment to the undersigned.  
9. ☐ Prior application is assigned to

by Assignment recorded Reel Frame

10. FOREIGN priority is claimed under 35 USC 119(a)-(d)/365(b) based on filing in JAPAN

11. (country)

Application No.	Filing Date	Application No.	Filing Date
(1) 10-288301	October 9, 1998	(2) 10-288302	October 9, 1998
(3) 10-294307	October 15, 1998	(4) 10-339216	November 30, 1998
(5) 10-339217	November 30, 1998	(6) 10-339218	November 30, 1998
(7) 10-339219	November 30, 1998	(8) 10-339220	November 30, 1998
(9) 11-168340	June 15, 1999	<input type="checkbox"/> See 3 <sup>rd</sup> page for additional priorities	

12. (No.) Certified copy (copies): ☐ attached; ☐ previously filed (date) filed on  
in U.S. Application No. /  
13. Small entity status ☐ is not claimed; ☐ is claimed (Pre-filing confirmation required)  
13(a). ☐ Attached: (No.) Small Entity Statement(s) (since 9/8/00 small entity statement(s) not essential to make claim)  
13(b). ☐ See NONPUBLICATION REQUEST under Rule 213(a) attached (Pat-258)

14. DOMESTIC/INTERNATIONAL priority is claimed under 35 USC 119(e)/120/365(c) based on the following provisional, nonprovisional and/or PCT international application(s):

Application No.	Filing Date	Application No.	Filing Date
(1) PCT/JP99/05580	October 8, 1999	(4)	
(2)		(5)	
(3)		(6)	

15. ☐ This application is being filed under Rule 53(b)(2) since an inventor is named in the enclosed Declaration who was not named in the prior application.

16. ☒ Attached: Written Opinion and Form PTO-1449 listing the enclosed documents

17. ☐ Preliminary Amendment:

*Note: The PCT Publication was not in English*

**THE FOLLOWING FILING FEE IS BASED ON CLAIMS AS FILED LESS ANY ABOVE CANCELLED**

				Large/Small Entity		Fee Code
18. Basic Filing Fee				\$710/\$355	\$710	101/201
19. Total Effective Claims	39	minus 20 =	*19	x \$18/\$9 =	+ 342	103/203
20. Independent Claims	9	minus 3 =	*6	x \$80/\$40 =	+ 480	102/202
*If answer is zero or less, enter "0"						
21. If any proper multiple dependent claim (ignore improper) is present, add (Leave this line blank if this is a reissue application)				+ \$270/\$135	+ 270	104/204
22. TOTAL FILING FEE ENCLOSED =					\$1802	
23. If "non-English" box 2 is X'd, add Rule 17(k) processing fee				+ \$130	+ 0	139
24. If "assignment" box 8 is X'd, add recording fee				+ \$40	+ 40	581
25. <input type="checkbox"/> Attached is a Petition/Fee under Rule No.				+ \$130	+ 0	122
26. TOTAL FEE ENCLOSED =					\$1842	

Our Deposit Account No. 03-3975

Our Order No. 41194 C# 279165 M#



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**CHARGE STATEMENT:** The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficient fee only) now or hereafter relative to this application and the resulting Official document under Rule 20, or credit any overpayment, to our Account/Order Nos. shown above for which purpose a duplicate copy of this sheet is attached.

This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal form is filed.

**Pillsbury Winthrop LLP  
Intellectual Property Group**

By Atty: G. Lloyd Knight

Reg. No. 17698

Sig: *[Signature]*

Fax: (202) 822-0944

Tel: (202) 861-3090

Atty/Sec: GLK/mhn

NOTE: File in duplicate with 2 post card receipts (PAT-103) & attachments

## WRITTEN OPINION

V.

2. Documents and explanation

The invention described in claims 1 to 32 is not described in any of the documents quoted in International Research Reports nor in JP, 2-298813, A (Mitsubishi Electric Corp.) 11 December, 1990 (11.12.90) (no family), in addition, it is not evident to one skilled in the art.

## VIII. WRITTEN OPINION

The opinion concerning the clarity of the claims, specification and drawings or concerning the adequacy of the evidence in the specification supporting the claims is as follows.

Claims 23 to 25, 28 and 31 of the original Japanese application contain the phrase "its own", however, the specific structure described by this is unclear.

Claim 25 of the original Japanese application contains a grammatical error in Japanese. This causes the interpretation of the claim to be unclear.

Claim 26 of the original Japanese application contains a spelling error in Japanese. This causes the interpretation of the claim to be unclear.

Claim 31 of the original Japanese application contains a spelling

error in Japanese. This causes the interpretation of the claim to be unclear.

Claim 31 of the original Japanese application contains the phrase "what is actually only one passage in the vicinity of", however, the specific structure described by this is unclear.

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